

# LYON STEEL LOCKERS



Lyon Metallic Manufacturing Company  
Aurora, Illinois, U.S.A.

ИОУКІ  
ЛЕНТІ  
ЛОКЕРІ

ІОУКІ

Іоукі Металічні Компактні  
Акустичні Апарати

# Lyon Steel Lockers

A Handbook of Types  
and Installation Details

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JUL 9 - 1927

## Lyon Metallic Manufacturing Company

Aurora, Illinois, U. S. A.

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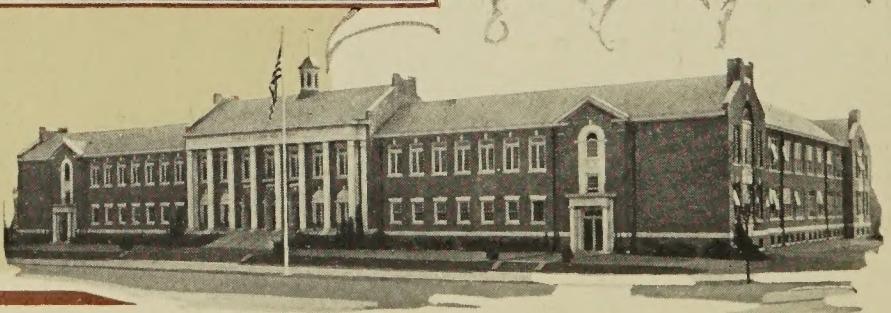
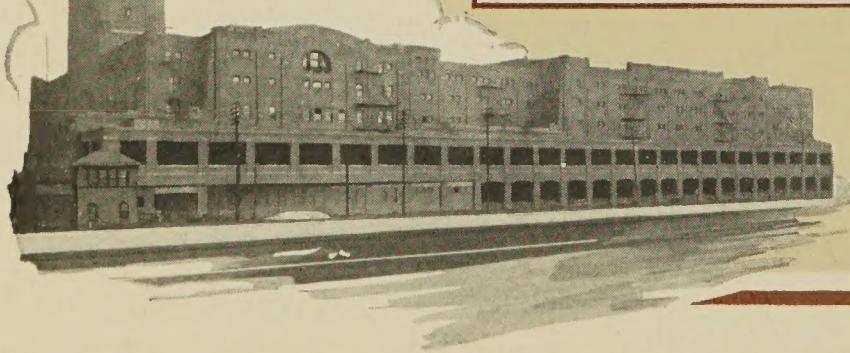
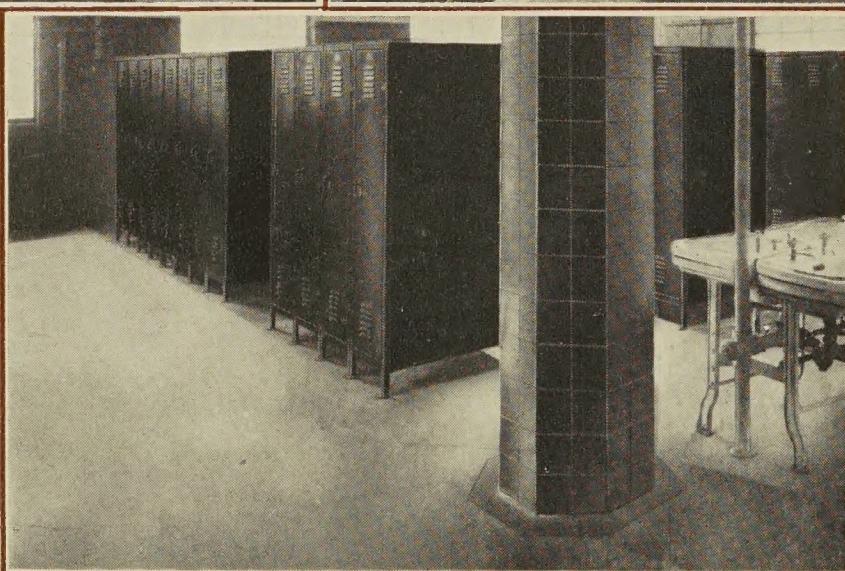
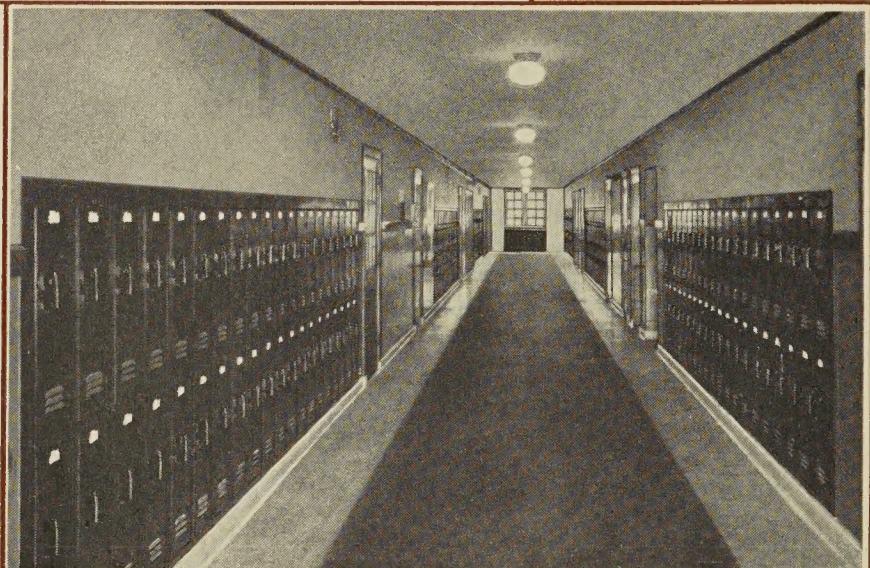
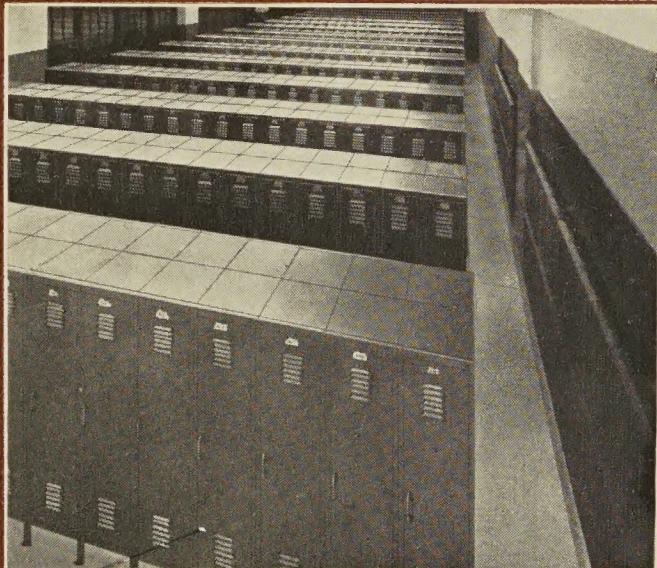
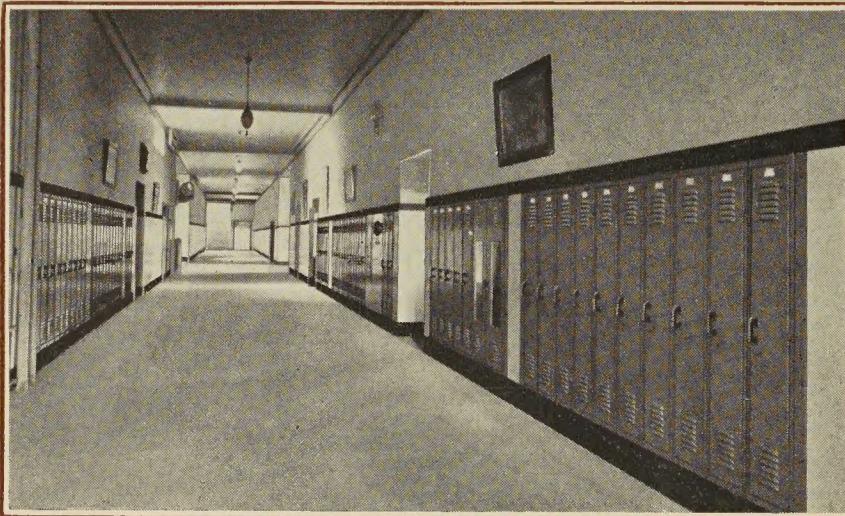
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# LYON STEEL LOCKERS



## Introduction



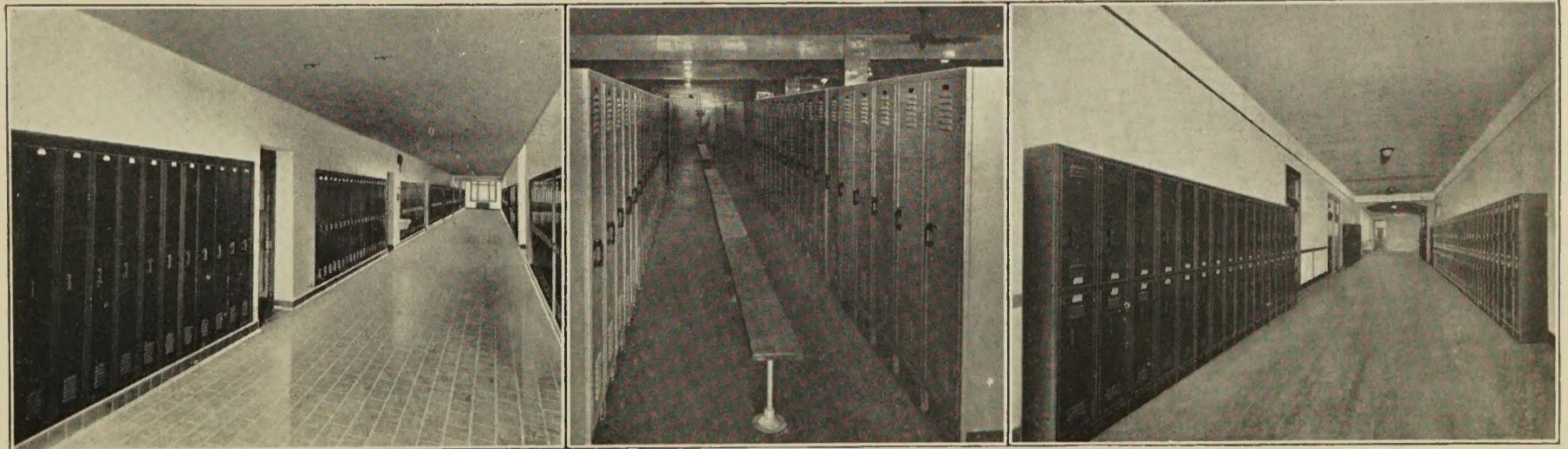
**N**THE succeeding pages of this booklet we have endeavored to illustrate, in a form designed for easy reference and practical use, the Lyon Locker in its applications to the needs of industries and institutions. The details of construction and arrangement as shown in each case are based upon many years' experience, and observation of the use of many thousand Steel Lockers under the most exacting conditions.

Every effort has been made to furnish, for each type, the information actually needed for its inclusion in drawings and constructional plans. The text has been restricted to a minimum with the idea always in mind of preparing an actual working handbook.

The specification clauses suggested have been prepared from a thorough study of those in use by architects specializing in this type of work. They have been drawn with the idea of securing a high grade of workmanship and performance, and at the same time admitting on an equal basis the products of reputable manufacturers.

The Engineering Departments maintained by this company at Aurora and at its District Offices are at the service of prospective users for further technical assistance and advice. They are exceptionally well equipped for prompt and efficient service.

A modern, well equipped plant and a thoroughly organized Erection Department with skilled superintendents, located at central points throughout the country, provide for the complete and satisfactory installation of contracts of any size.



## Lockers for Industrial Use

LOCKERS for use in Industrial Establishments should be sufficiently rugged in construction to operate with little attention. When locked they should prevent petty pilfering. A portable design is desirable, as changes in arrangement are frequently necessary with changes in routing or manufacturing processes.

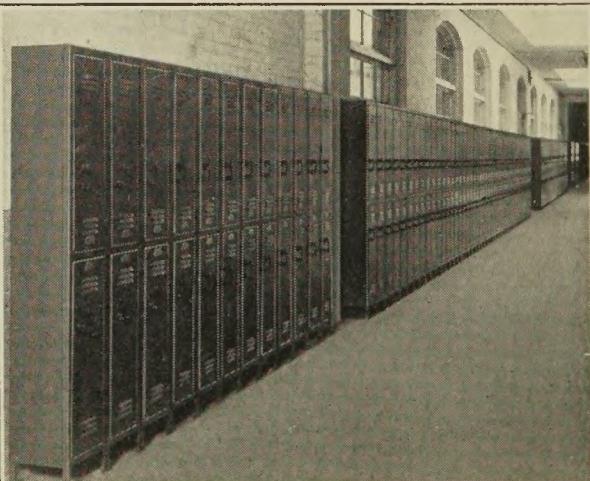
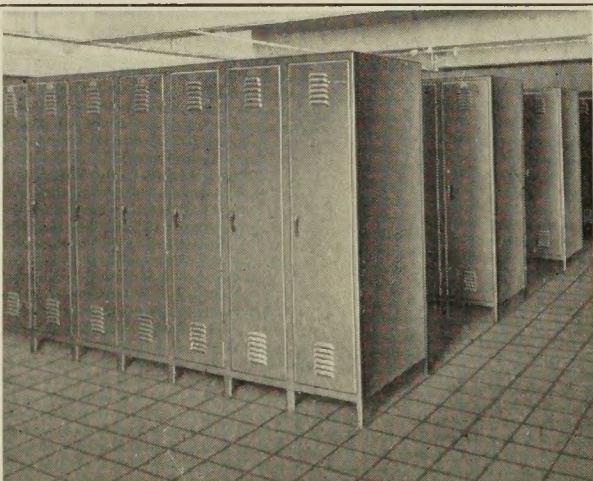
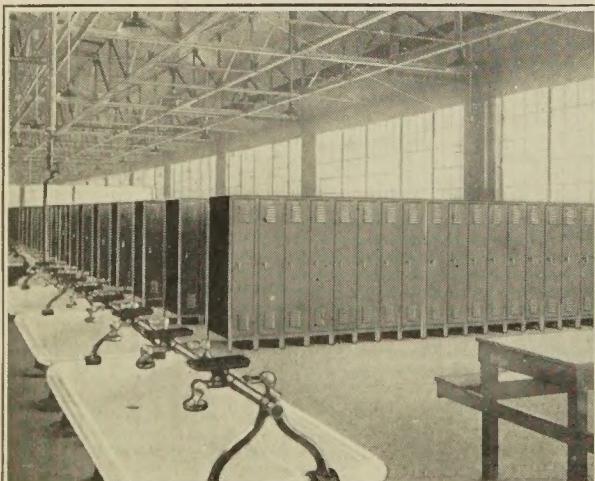
The single tier locker with room for hat shelf, full length coat, and shoes will be found most satisfactory where space can be afforded. The double tier locker has no hat shelf, and necessitates folding long coats. However, it effects a considerable economy in space and investment required.

In using either style locker in locker rooms, the double row (back to back) construction costs less per unit and saves space, as each aisle serves lockers on either side. With wall type lockers the wall footage required is reduced by using a narrow locker. Sufficient room can be obtained by making it rather deep; the 12" x 18" x 60" size being very popular for this purpose.

The use of steel lockers in modern plants has become an accepted shop practice. In planning new manufacturing plants, both large and small, the locker rooms are usually built in connection with the general wash rooms. These rooms (sometimes only enclosures) are kept locked throughout the day, entrance being obtained only by permission of a foreman. This eliminates needless running to and from an individual's street clothes.

Storing clothes in separate steel compartments reduces the hazard of fire, from oily and greasy belongings, to a minimum. It segregates and confines fire from this source, giving ample time for locating the fire before any serious damage is done.

In addition, steel lockers are an investment in the appearance of your plant, and in the good-will of your employes. The increased efficiency of a neat, orderly plant is often remarkable, and the fact that each employe has a private place to keep his or her personal belongings is appreciated in a material way.



## Lockers for Institutional Use

THE type of locker selected for institutional use will vary with the space available, the economy required, method of handling occupants, whether in classes or individually, etc.

The single tier locker is most widely used. It is always desirable where the space can be obtained, and a necessity for the greatest convenience in hanging complete changes of garments for an extended period.

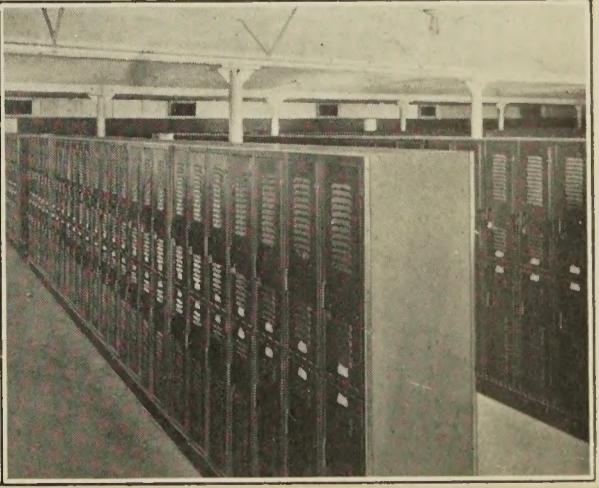
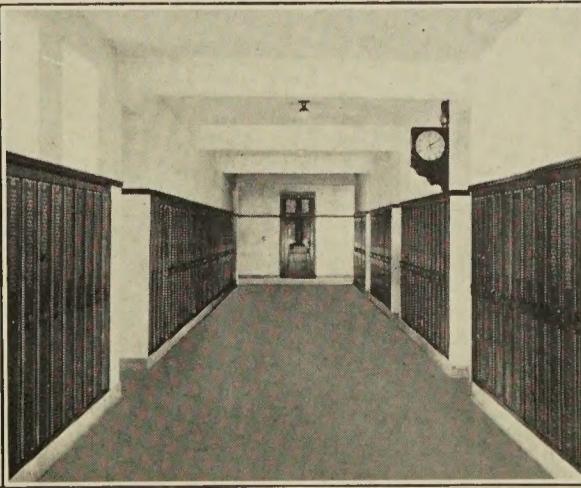
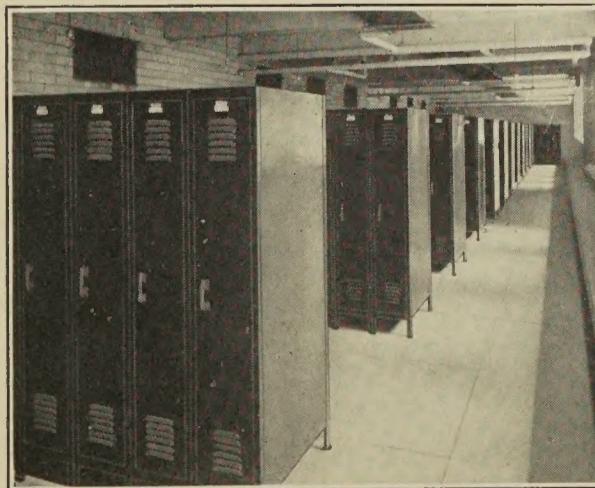
The double tier locker is economical both as to space and cost. Of course, it has less cubical storage space, and the hat shelf necessarily must be omitted, but it will be found quite satisfactory for a great many uses, particularly for short periods.

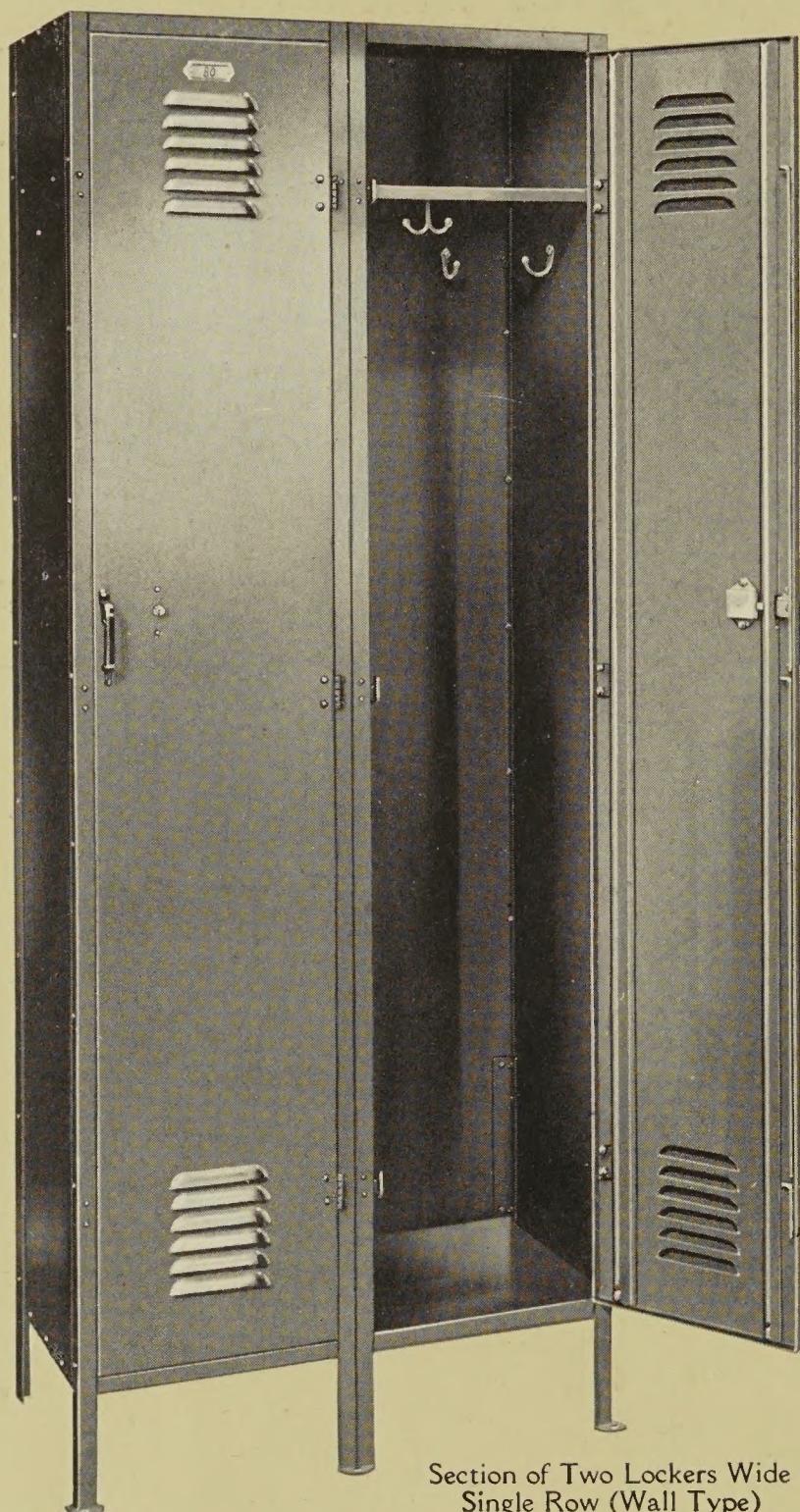
Where lockers are arranged in groups by using double row (back to back) construction, a smaller cost per unit can be obtained and floor space saved by making each aisle serve two rows of lockers. Where lockers are arranged along the wall, the use of narrow lockers saves wall footage. Sufficient space in the locker can be obtained by increasing the depth.

An especially neat and efficient type of corridor installation can be provided by placing the lockers in a wall recess as shown on page 13. In steel and concrete construction this method of installation will save valuable floor space.

Box lockers and basket locker systems are described on pages 15 to 17. They will give the greatest economy in floor space and are particularly adaptable to certain requirements of schools, bowling alleys and gymnasiums.

In considering ventilation and similar special requirements, more extensive information than can be given in this handbook may be required. For such cases, complete data will be found in our engineering departments in our home and district offices and are available to all architects, owners and engineers.

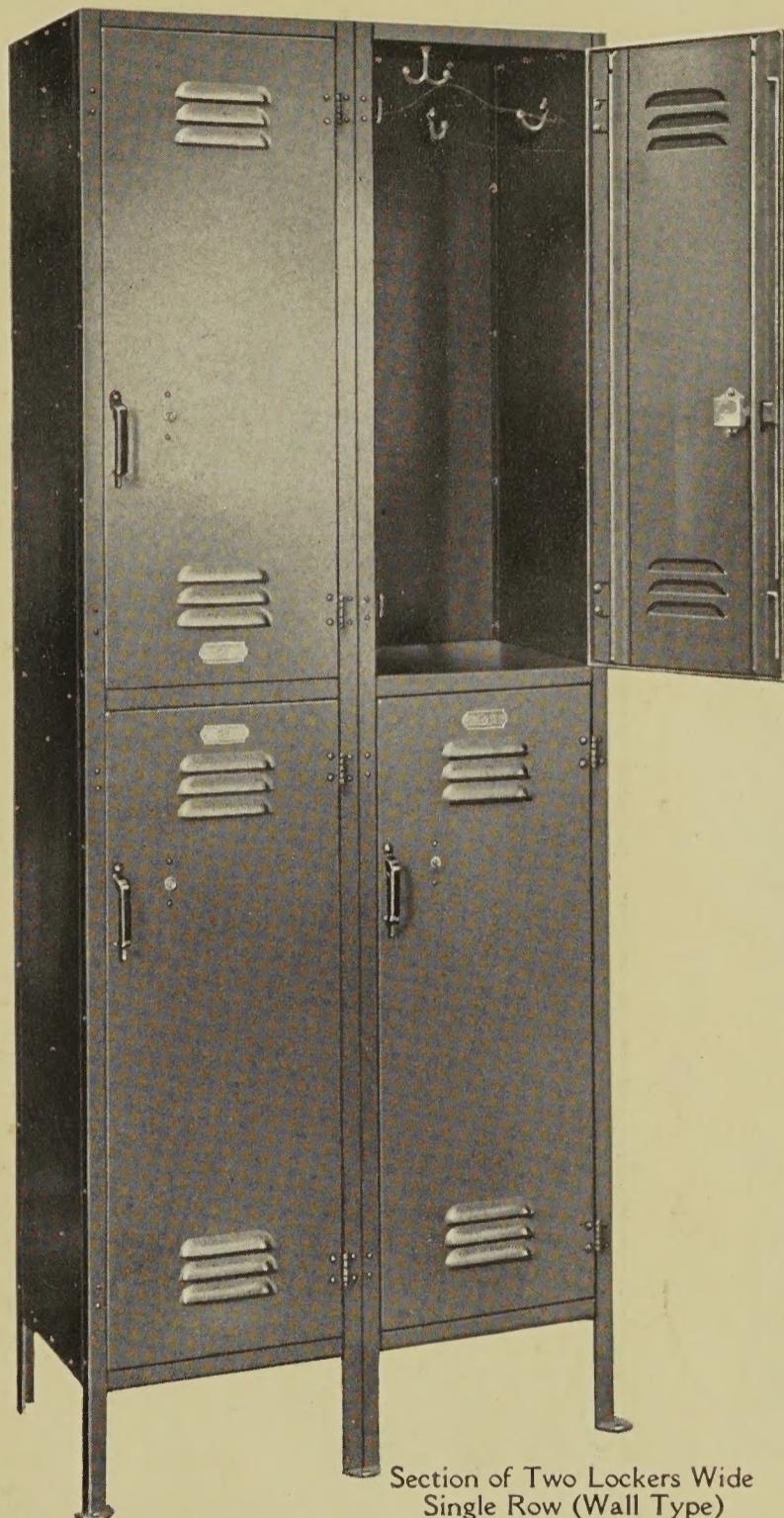




Section of Two Lockers Wide  
Single Row (Wall Type)

## Lyon Single Tier Lockers

THE Lyon Single Tier Steel Locker is designed primarily to give continued service through years of use and abuse. It is constructed from sturdy, standardized and interchangeable parts in a suitable range of types and sizes (see page 11), to amply care for the various requirements and uses. Lyon Steel Lockers are finished in Olive Green or Ivory Gray enamel, baked on to withstand wear.

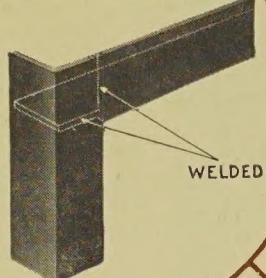
Section of Two Lockers Wide  
Single Row (Wall Type)

## Lyon Double Tier Lockers

IN CONSIDERING lockers, it is well to remember they are primarily a door and door frame. That the door operates smoothly through continued service is the greatest essential to satisfaction. This is particularly true in the case of the double tier locker, where, because of the limited space, contents are frequently crowded, and hinges, door and frame considerably strained.

## Some Features of Lyon Locker Equipment

ANGLE DOOR FRAME

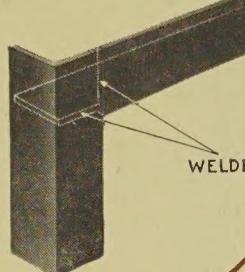


WELDED

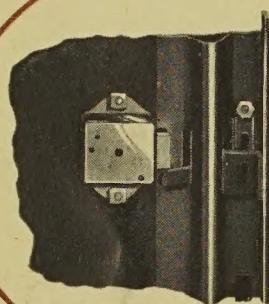
SPOT WELDED

DOOR CORNERS  
LAPPED  
AND  
WELDED

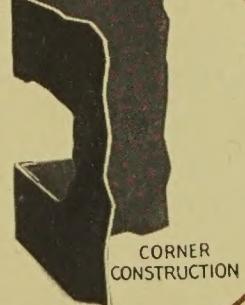
DOOR CONSTRUCTION



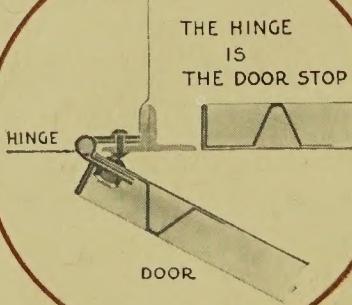
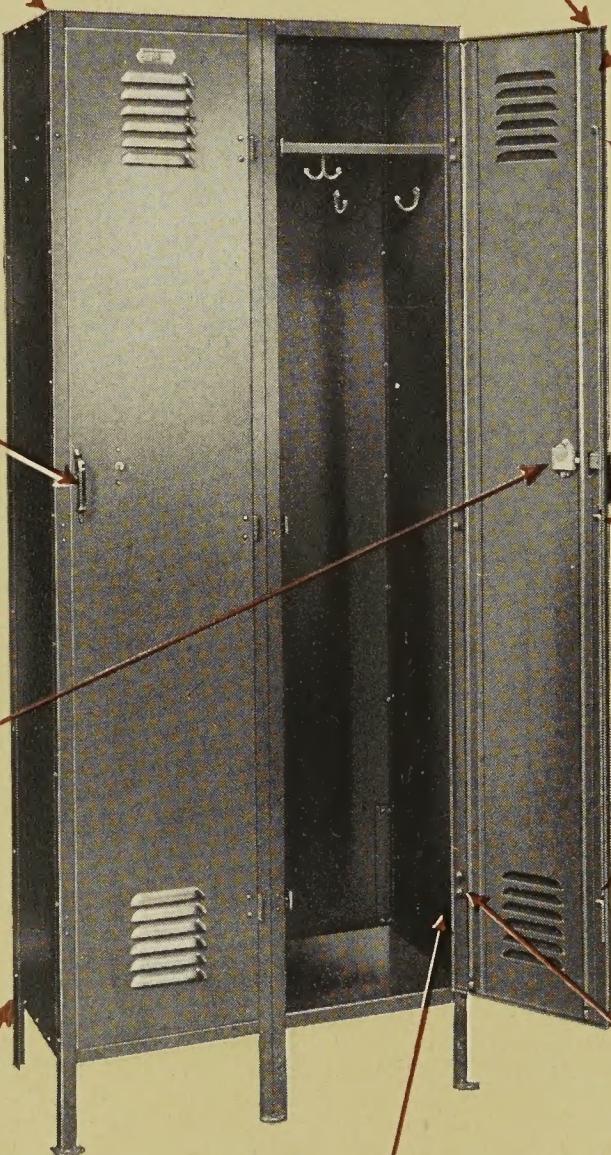
HANDLE



LOCKING MECHANISM



CORNER  
CONSTRUCTION



THE HINGE  
IS  
THE DOOR STOP

HINGE

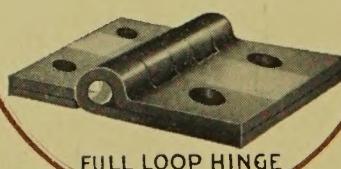
DOOR

THE OLD WAY

STEEL TURNED  
AROUND PIN.  
ONE END ONLY  
HELD BY RIVET.

THE LYON WAY

A FULL LOOP  
OF STEEL. BOTH  
ENDS HELD BY RIVET.



FULL LOOP HINGE

## Specifications of Lyon Locker Equipment

**ANGLE DOOR FRAMES**—Upright and horizontal members are 1" x 1" x 1/8" hard steel angles; joints rabbetted as shown and electrically welded. Angles extend to the floor to form front legs of locker, which are provided with adjustable floor plates.

**DOOR REINFORCEMENTS**—The double rib reinforcement formed the full length of the door, by folding back and welding the door sheet, is worthy of careful study. Notice the stiffness of a sheet of paper similarly folded. This construction makes the door exceptionally rigid, while a double thickness of metal is provided for the attachment of locking device and hinges.

**WELDED DOOR CORNERS**—The flanges at the side of the door are lapped over flanges at the top and bottom and spot-welded, making practically a one-piece structure.

**DOOR STEEL**—Door steel is 20 U.S. Standard Gauge, full pickled, cold rolled, special leveled, Furniture Steel.

**DOOR VENTILATION**—Louvre.

**FULL LOOP HINGES**—The metal forms two full loops around the pin in Lyon Locker hinges. Springing or yielding is impossible. The rivet has to be sheared to loosen the pin. 36" and 42" doors have two hinges, the 60" and 72" have three hinges.

**DOOR STOP**—The Lyon Locker door is so hung that the hinges act as a door stop. They cannot swing back and dent or mar the adjoining lockers.

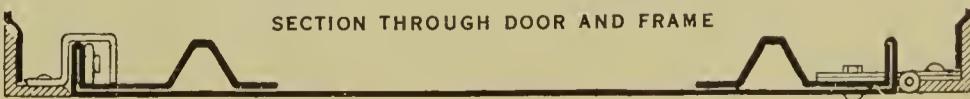
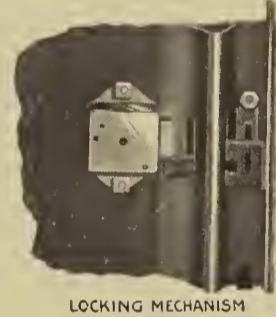
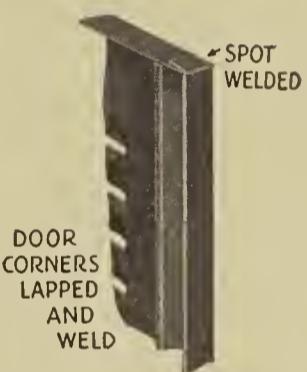
**LOCKS**—Types of locks that can be furnished as standard are shown on page 18.

**GRAVITY LOCKING DEVICE**—The new gravity locking device is unusually smooth working. When the door is open the locking bar remains up out of locking position. The most gentle closing of the door causes the locking bar to fall easily and quietly into place. The comparatively quiet operating of the locking device eliminates a great deal of the noise, when hundreds of locker doors are closed at the same time. When closed, the single tier door is latched at three points, top, center and bottom; the double tier door is latched at two points, top and bottom, assuring complete security.

**CORNER CONSTRUCTION**—The sides and back of the Lyon Locker are flanged so that there is a double thickness of metal at all corners. Sides and back are bolted together with smooth head bolts that can be removed only from the inside of locker.

**REAR LOCKER LEG**—The rear locker leg is made of an angle which passes through the notched bottom and extends up 10½ inches inside the locker. It is bolted to the corner of the locker by two bolts on 9-inch centers, making it perfectly rigid.

**LOCKER FINISH**—Lockers can be finished in either olive green or ivory gray enamel, baked on at proper temperature to insure durability.



## General Specifications for Steel Lockers

The subjoined specifications are designed as "open" specifications that, while providing for good material, design and workmanship, will admit the product of any manufacturer who is prepared to build a high grade locker.

**GENERAL**—These specifications contemplate that the contractor shall furnish all labor and material necessary for the work illustrated by the accompanying drawings in a complete and workmanlike manner.

**MATERIAL**—Material used, to be the best of its respective kind. Except when otherwise stated, all sheet steel to be the best mild annealed cold rolled and patent leveled, free from buckle or scale. Doors to be best mild double annealed, pickled, 4 pass cold rolled and patent leveled, of the special grade known as Furniture Steel. Frames to be of steel rolled or formed shapes.

**FINISH**—All steel parts to be thoroughly cleaned before finishing, to be finished with a heavy coat of best baking Enamel, baked at 200 degrees or above. Enamel must stand rigid hammer test without flaking.

**SAMPLE**—The right is reserved to call for a sample locker of the exact design and finish covered by the proposal of the successful bidder, which sample may be retained until the completion of the work.

**DOORS**—Doors to be formed from Furniture Steel not less than 20 U. S. Standard Gauge, and to have provision made by integral or attached reinforcement to provide for sufficient strength and rigidity in use.

**DOOR FRAME**—Door Frame to be of rolled or formed steel angles with welded joints.

**BODY**—Body of Locker to be of not less than 24 U. S. Standard Gauge Steel flanged at all sides to give a double thickness of metal each side of connections.

**HINGES**—Hinges to be of a type that will make proper provision against loosening of pin when locker door is subjected to extra strain or abuse. Locker doors 42" high or less, to have two hinges, over 42" high, to have three hinges.

**LOCKING DEVICE**—All lockers are to be locked by a locking device engaging with the door jamb opposite the hinges; the locking device to operate automatically when the door is closed. Handle controlling locking device arranged so that door can be locked with padlock.

**LOCK**—(If lock is used) Lock to be a six lever flat key type. Two keys to be furnished with each locker, and two master keys to be delivered by registered mail to the Architect or Owner.

**NUMBER PLATES**—Each locker to be furnished with a brass number plate with figures at least  $\frac{1}{16}$ " high, embossed on or etched in same and finished with black enamel. Lockers to be numbered as follows:.....

.....  
**EQUIPMENT**—Lockers 12" wide to have three single prong and one double prong coat hooks. Lockers over 12" wide to have four single prong and one double prong coat hooks. All hooks to have ball points, to be free from sharp corners or edges, and to be galvanized or rust proofed. All single tier lockers to be equipped with a shelf to be placed 8 $\frac{1}{2}$ " from top.

**GUARANTEE**—Should any defects appear in the work within six months from the completion of the contract, caused by improper material or workmanship, the contractor will be notified, and, if steps are not promptly taken to rectify such defects, such work will be done by the owner and the contractor or his surety held liable for same.

## Sizes of Lyon Standard Steel Lockers—Single Tier

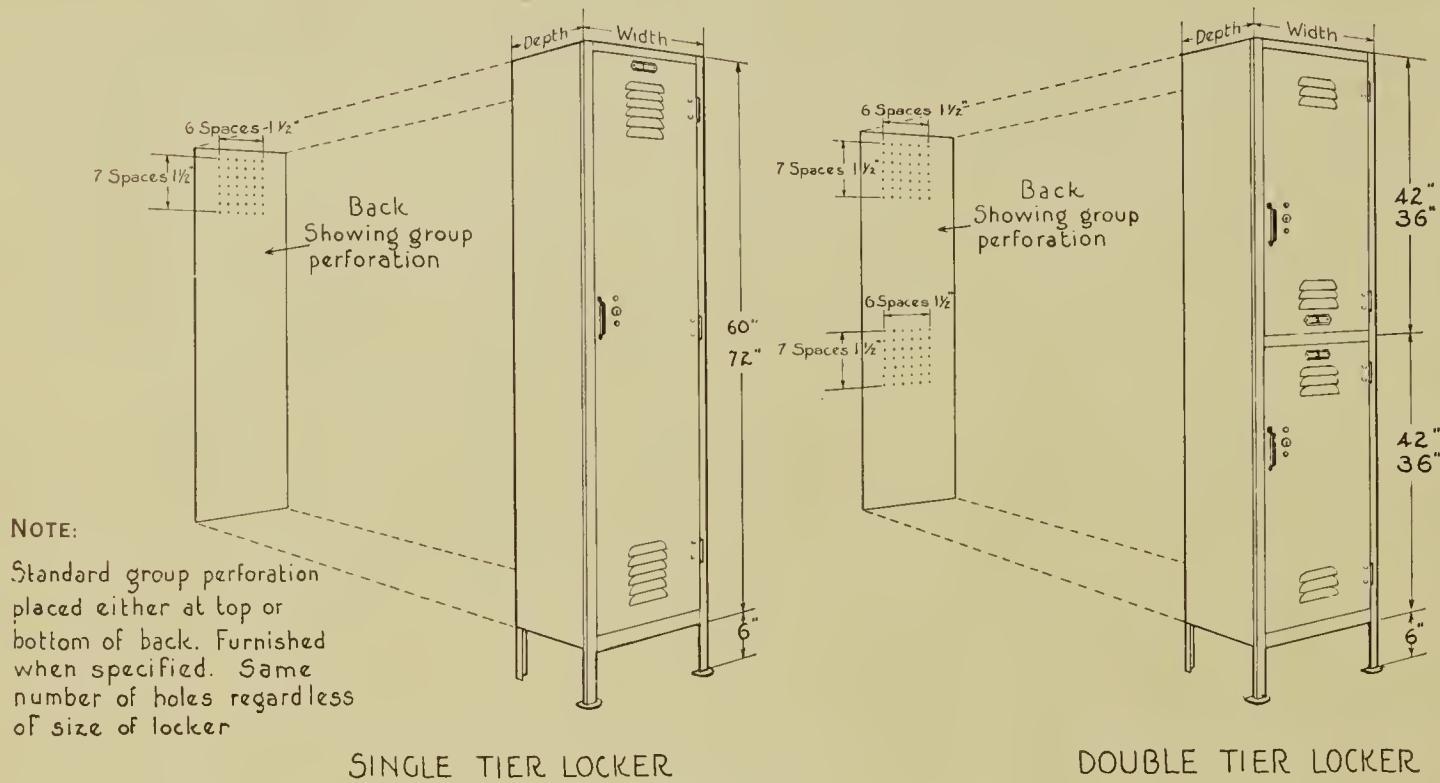
| Nominal Sizes of Lockers |               |        | HEIGHTS Overall with 6-in. Legs |             |      | Height<br>Flat top<br>without<br>Legs | WIDTHS OVERALL IN SECTIONS |                      |                      |                      |                      |                      |                       |                       |  |
|--------------------------|---------------|--------|---------------------------------|-------------|------|---------------------------------------|----------------------------|----------------------|----------------------|----------------------|----------------------|----------------------|-----------------------|-----------------------|--|
| Width Overall            | Depth Overall | Height | Flat Top                        | Sloping Top |      |                                       | 1 Wide                     | 2 Wide               | 3 Wide               | 4 Wide               | 5 Wide               | 6 Wide               | 7 Wide                | 8 Wide                |  |
|                          |               |        |                                 | Front       | Back |                                       |                            |                      |                      |                      |                      |                      |                       |                       |  |
| 10                       | 12            | 60     | 66                              | 66          | 70   |                                       |                            |                      |                      |                      |                      |                      |                       |                       |  |
| 10                       | 15            | 60     | 66                              | 66          | 71   | 60                                    | 10 $\frac{1}{4}$ "         | 1' 8 $\frac{1}{4}$ " | 2' 6 $\frac{1}{4}$ " | 3' 4 $\frac{1}{4}$ " | 4' 2 $\frac{1}{4}$ " | 5' 0 $\frac{1}{4}$ " | 5' 10 $\frac{1}{4}$ " | 6' 8 $\frac{1}{4}$ "  |  |
| 10                       | 18            | 60     | 66                              | 66          | 72   |                                       |                            |                      |                      |                      |                      |                      |                       |                       |  |
| 10                       | 21            | 60     | 66                              | 66          | 73   |                                       |                            |                      |                      |                      |                      |                      |                       |                       |  |
| *12                      | 12            | 60     | 66                              | 66          | 70   |                                       |                            |                      |                      |                      |                      |                      |                       |                       |  |
| *12                      | 15            | 60     | 66                              | 66          | 71   | 60                                    | 12 $\frac{1}{4}$ "         | 2' 0 $\frac{1}{4}$ " | 3' 0 $\frac{1}{4}$ " | 4' 0 $\frac{1}{4}$ " | 5' 0 $\frac{1}{4}$ " | 6' 0 $\frac{1}{4}$ " | 7' 0 $\frac{1}{4}$ "  | 8' 0 $\frac{1}{4}$ "  |  |
| *12                      | 18            | 60     | 66                              | 66          | 72   |                                       |                            |                      |                      |                      |                      |                      |                       |                       |  |
| 12                       | 21            | 60     | 66                              | 66          | 73   |                                       |                            |                      |                      |                      |                      |                      |                       |                       |  |
| *15                      | 15            | 60     | 66                              | 66          | 71   |                                       |                            |                      |                      |                      |                      |                      |                       |                       |  |
| *15                      | 18            | 60     | 66                              | 66          | 72   | 60                                    | 15 $\frac{1}{4}$ "         | 2' 6 $\frac{1}{4}$ " | 3' 9 $\frac{1}{4}$ " | 5' 0 $\frac{1}{4}$ " | 6' 3 $\frac{1}{4}$ " | 7' 6 $\frac{1}{4}$ " | 8' 9 $\frac{1}{4}$ "  | 10' 0 $\frac{1}{4}$ " |  |
| 15                       | 21            | 60     | 66                              | 66          | 73   |                                       |                            |                      |                      |                      |                      |                      |                       |                       |  |
| 18                       | 18            | 60     | 66                              | 66          | 72   |                                       |                            |                      |                      |                      |                      |                      |                       |                       |  |
| 18                       | 21            | 60     | 66                              | 66          | 73   | 60                                    | 18 $\frac{1}{4}$ "         | 3' 0 $\frac{1}{4}$ " | 4' 6 $\frac{1}{4}$ " | 6' 0 $\frac{1}{4}$ " | 7' 6 $\frac{1}{4}$ " | 9' 0 $\frac{1}{4}$ " | 10' 6 $\frac{1}{4}$ " | 12' 0 $\frac{1}{4}$ " |  |
| 10                       | 12            | 72     | 78                              | 78          | 82   |                                       |                            |                      |                      |                      |                      |                      |                       |                       |  |
| 10                       | 15            | 72     | 78                              | 78          | 83   | 72                                    | 10 $\frac{1}{4}$ "         | 1' 8 $\frac{1}{4}$ " | 2' 6 $\frac{1}{4}$ " | 3' 4 $\frac{1}{4}$ " | 4' 2 $\frac{1}{4}$ " | 5' 0 $\frac{1}{4}$ " | 5' 10 $\frac{1}{4}$ " | 6' 8 $\frac{1}{4}$ "  |  |
| 10                       | 18            | 72     | 78                              | 78          | 84   |                                       |                            |                      |                      |                      |                      |                      |                       |                       |  |
| 10                       | 21            | 72     | 78                              | 78          | 85   |                                       |                            |                      |                      |                      |                      |                      |                       |                       |  |
| *12                      | 12            | 72     | 78                              | 78          | 82   |                                       |                            |                      |                      |                      |                      |                      |                       |                       |  |
| *12                      | 15            | 72     | 78                              | 78          | 83   | 72                                    | 12 $\frac{1}{4}$ "         | 2' 0 $\frac{1}{4}$ " | 3' 0 $\frac{1}{4}$ " | 4' 0 $\frac{1}{4}$ " | 5' 0 $\frac{1}{4}$ " | 6' 0 $\frac{1}{4}$ " | 7' 0 $\frac{1}{4}$ "  | 8' 0 $\frac{1}{4}$ "  |  |
| *12                      | 18            | 72     | 78                              | 78          | 84   |                                       |                            |                      |                      |                      |                      |                      |                       |                       |  |
| 12                       | 21            | 72     | 78                              | 78          | 85   |                                       |                            |                      |                      |                      |                      |                      |                       |                       |  |
| *15                      | 15            | 72     | 78                              | 78          | 83   |                                       |                            |                      |                      |                      |                      |                      |                       |                       |  |
| *15                      | 18            | 72     | 78                              | 78          | 84   | 72                                    | 15 $\frac{1}{4}$ "         | 2' 6 $\frac{1}{4}$ " | 3' 9 $\frac{1}{4}$ " | 5' 0 $\frac{1}{4}$ " | 6' 3 $\frac{1}{4}$ " | 7' 6 $\frac{1}{4}$ " | 8' 9 $\frac{1}{4}$ "  | 10' 0 $\frac{1}{4}$ " |  |
| 15                       | 21            | 72     | 78                              | 78          | 85   |                                       |                            |                      |                      |                      |                      |                      |                       |                       |  |
| *18                      | 18            | 72     | 78                              | 78          | 84   | 72                                    | 18 $\frac{1}{4}$ "         | 3' 0 $\frac{1}{4}$ " | 4' 6 $\frac{1}{4}$ " | 6' 0 $\frac{1}{4}$ " | 7' 6 $\frac{1}{4}$ " | 9' 0 $\frac{1}{4}$ " | 10' 6 $\frac{1}{4}$ " | 12' 0 $\frac{1}{4}$ " |  |
| 18                       | 21            | 72     | 78                              | 78          | 85   |                                       |                            |                      |                      |                      |                      |                      |                       |                       |  |

## Sizes of Lyon Standard Steel Lockers—Double Tier

| Nominal Sizes of Lockers |               |        | Height Overall Double Tier with 6-in. Legs |             |      | Height<br>Flat top<br>without<br>Legs | WIDTHS OVERALL IN SECTIONS |                      |                      |                      |                      |                      |                       |                       |  |
|--------------------------|---------------|--------|--|-------------|------|---------------------------------------|----------------------------|----------------------|----------------------|----------------------|----------------------|----------------------|-----------------------|-----------------------|--|
| Width Overall            | Depth Overall | Height | Flat Top                                   | Sloping Top |      |                                       | 1 Wide                     | 2 Wide               | 3 Wide               | 4 Wide               | 5 Wide               | 6 Wide               | 7 Wide                | 8 Wide                |  |
|                          |               |        |  | Front       | Back |                                       |                            |                      |                      |                      |                      |                      |                       |                       |  |
| 10                       | 12            | 36     | 78   | 78          | 82   |                                       |                            |                      |                      |                      |                      |                      |                       |                       |  |
| 10                       | 15            | 36     | 78   | 78          | 83   | 72                                    | 10 $\frac{1}{4}$ "         | 1' 8 $\frac{1}{4}$ " | 2' 6 $\frac{1}{4}$ " | 3' 4 $\frac{1}{4}$ " | 4' 2 $\frac{1}{4}$ " | 5' 0 $\frac{1}{4}$ " | 5' 10 $\frac{1}{4}$ " | 6' 8 $\frac{1}{4}$ "  |  |
| 10                       | 18            | 36     | 78   | 78          | 84   |                                       |                            |                      |                      |                      |                      |                      |                       |                       |  |
| *12                      | 12            | 36     | 78   | 78          | 82   |                                       |                            |                      |                      |                      |                      |                      |                       |                       |  |
| *12                      | 15            | 36     | 78   | 78          | 83   | 72                                    | 12 $\frac{1}{4}$ "         | 2' 0 $\frac{1}{4}$ " | 3' 0 $\frac{1}{4}$ " | 4' 0 $\frac{1}{4}$ " | 5' 0 $\frac{1}{4}$ " | 6' 0 $\frac{1}{4}$ " | 7' 0 $\frac{1}{4}$ "  | 8' 0 $\frac{1}{4}$ "  |  |
| 12                       | 18            | 36     | 78   | 78          | 84   |                                       |                            |                      |                      |                      |                      |                      |                       |                       |  |
| *15                      | 15            | 36     | 78   | 78          | 83   |                                       |                            |                      |                      |                      |                      |                      |                       |                       |  |
| 15                       | 18            | 36     | 78   | 78          | 84   | 72                                    | 15 $\frac{1}{4}$ "         | 2' 6 $\frac{1}{4}$ " | 3' 9 $\frac{1}{4}$ " | 5' 0 $\frac{1}{4}$ " | 6' 3 $\frac{1}{4}$ " | 7' 6 $\frac{1}{4}$ " | 8' 9 $\frac{1}{4}$ "  | 10' 0 $\frac{1}{4}$ " |  |
| 18                       | 18            | 36     | 78   | 78          | 84   | 72                                    | 18 $\frac{1}{4}$ "         | 3' 0 $\frac{1}{4}$ " | 4' 6 $\frac{1}{4}$ " | 6' 0 $\frac{1}{4}$ " | 7' 6 $\frac{1}{4}$ " | 9' 0 $\frac{1}{4}$ " | 10' 6 $\frac{1}{4}$ " | 12' 0 $\frac{1}{4}$ " |  |
| 10                       | 12            | 42     | 90   | 90          | 94   |                                       |                            |                      |                      |                      |                      |                      |                       |                       |  |
| 10                       | 15            | 42     | 90   | 90          | 95   | 84                                    | 10 $\frac{1}{4}$ "         | 1' 8 $\frac{1}{4}$ " | 2' 6 $\frac{1}{4}$ " | 3' 4 $\frac{1}{4}$ " | 4' 2 $\frac{1}{4}$ " | 5' 0 $\frac{1}{4}$ " | 5' 10 $\frac{1}{4}$ " | 6' 8 $\frac{1}{4}$ "  |  |
| 10                       | 18            | 42     | 90   | 90          | 96   |                                       |                            |                      |                      |                      |                      |                      |                       |                       |  |
| *12                      | 12            | 42     | 90   | 90          | 94   |                                       |                            |                      |                      |                      |                      |                      |                       |                       |  |
| *12                      | 15            | 42     | 90   | 90          | 95   | 84                                    | 12 $\frac{1}{4}$ "         | 2' 0 $\frac{1}{4}$ " | 3' 0 $\frac{1}{4}$ " | 4' 0 $\frac{1}{4}$ " | 5' 0 $\frac{1}{4}$ " | 6' 0 $\frac{1}{4}$ " | 7' 0 $\frac{1}{4}$ "  | 8' 0 $\frac{1}{4}$ "  |  |
| 12                       | 18            | 42     | 90   | 90          | 96   |                                       |                            |                      |                      |                      |                      |                      |                       |                       |  |
| *15                      | 15            | 42     | 90   | 90          | 95   |                                       |                            |                      |                      |                      |                      |                      |                       |                       |  |
| 15                       | 18            | 42     | 90   | 90          | 96   | 84                                    | 15 $\frac{1}{4}$ "         | 2' 6 $\frac{1}{4}$ " | 3' 9 $\frac{1}{4}$ " | 5' 0 $\frac{1}{4}$ " | 6' 3 $\frac{1}{4}$ " | 7' 6 $\frac{1}{4}$ " | 8' 9 $\frac{1}{4}$ "  | 10' 0 $\frac{1}{4}$ " |  |
| 18                       | 18            | 42     | 90   | 90          | 96   | 84                                    | 18 $\frac{1}{4}$ "         | 3' 0 $\frac{1}{4}$ " | 4' 6 $\frac{1}{4}$ " | 6' 0 $\frac{1}{4}$ " | 7' 6 $\frac{1}{4}$ " | 9' 0 $\frac{1}{4}$ " | 10' 6 $\frac{1}{4}$ " | 12' 0 $\frac{1}{4}$ " |  |

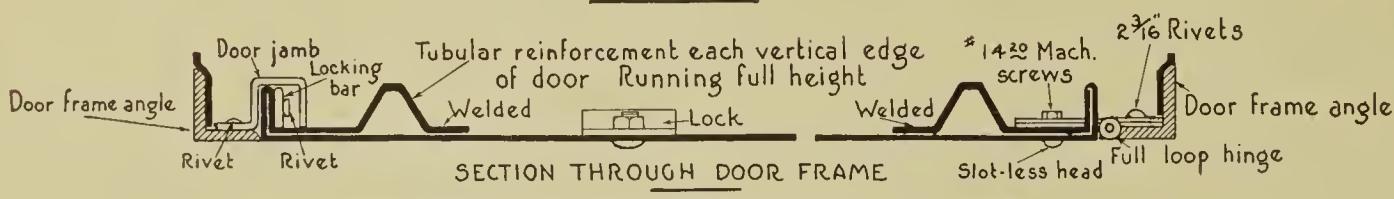
\*Locker sizes recommended as standard by the United States Department of Commerce through the Bureau of Standards. Experience has proven these sizes to be the most practical for average purposes and we recommend their use.

# Details of Lyon Locker Construction

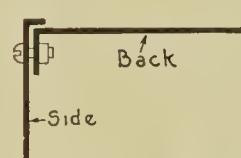


## SINGLE TIER LOCKER

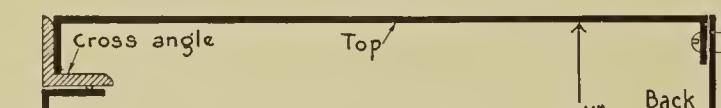
## DOUBLE TIER LOCKER



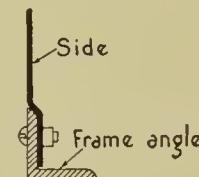
SECTION THROUGH DOOR FRAME



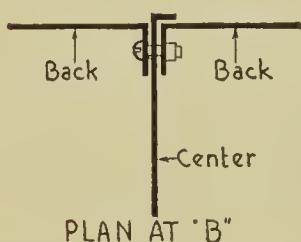
PLAN AT "A"  
Showing method of attaching  
side to back



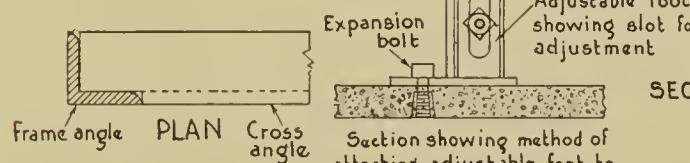
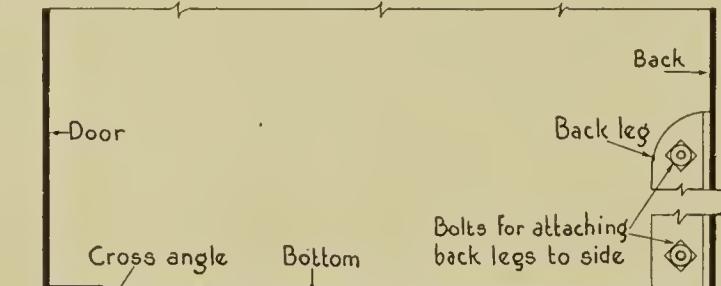
#### SECTION THROUGH TOP



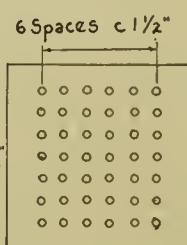
PLAN AT "C"  
Showing method of attaching  
side to frame angle



Showing method of attaching  
center to back.



Section showing back leg. Adjustable foot not furnished unless specified

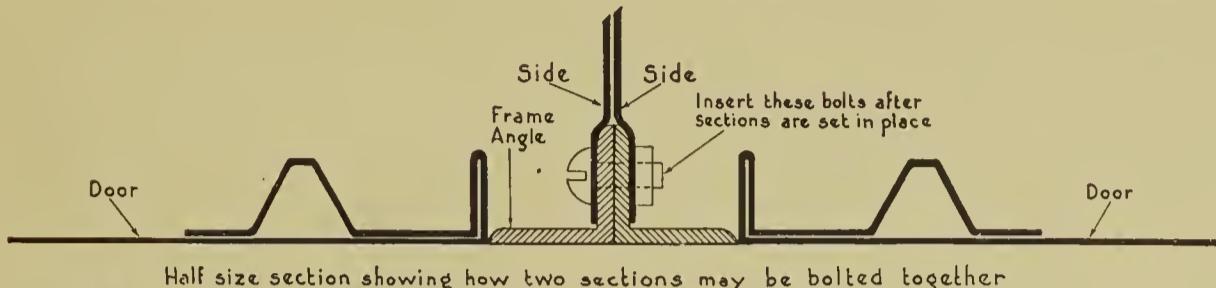


TOP, BOTTOM OR SHELF  
PERFORATION

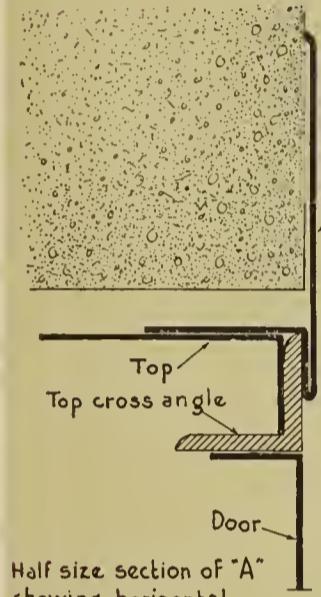


PLAN OF ASSEMBLING SECTION OF LOCKERS

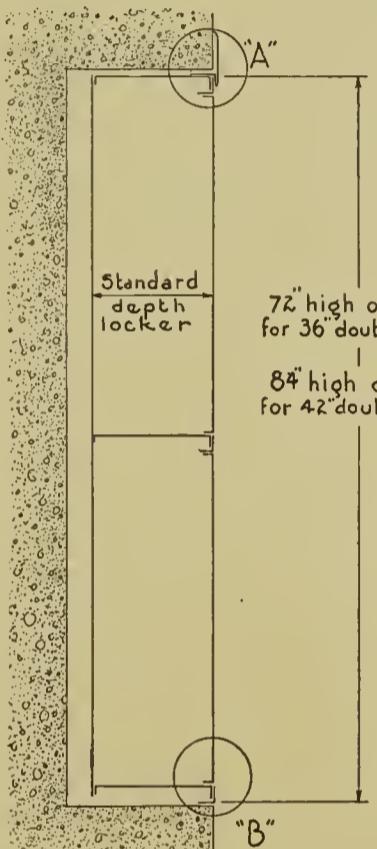
## Details for Recessing Lyon Lockers



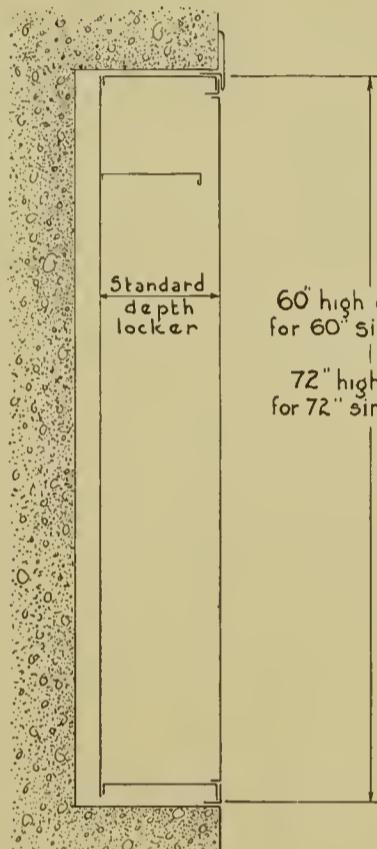
Half size section showing how two sections may be bolted together



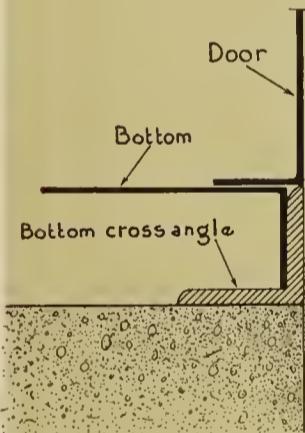
Half size section of "A" showing horizontal finishing strip



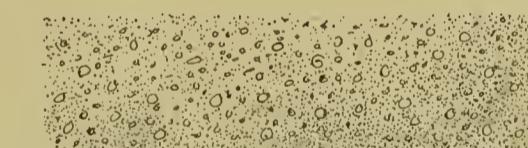
Double tier single row



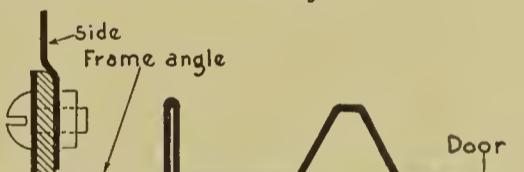
Single tier single row

Height of clear openings for lockers must be at least  $\frac{1}{2}$ " more than overall heights

Half size section at "B"



Finishing strip



Half size section showing vertical finishing strip

## General Notes

Lockers are not made more than eight wide—in one continuous section.

If sections more than eight lockers wide in one continuous section are required, they must be assembled in sections of not to exceed eight lockers wide and these sections set end to end.

If a continuous unbroken appearance is desired, sections may be bolted together (at front only), using double sides as illustrated in half size section at top of this page.

Estimate the overall widths of sections—in the following manner (12" lockers are used in these examples—but other widths are estimated in a similar way):

4-Wide @ 12" plus  $\frac{1}{4}$ " equals 4'-0 $\frac{1}{4}$ "  
8-Wide @ 12" plus  $\frac{1}{4}$ " equals 8'-0 $\frac{1}{4}$ "  
12-Wide @ 12" plus  $\frac{1}{4}$ " equals 12'-0 $\frac{1}{4}$ "  
32-Wide @ 12" plus  $\frac{1}{4}$ " equals 32'-0 $\frac{1}{4}$ "

## Specification Clauses

LOCKERS to be installed in recesses provided as shown on plans. Recesses will be finished complete ready for lockers, and will provide bearing for front and back edges of same. Locker contractor will provide finishing strips at ends and across top of all recesses. These strips will be made from 16 gauge furniture steel, and will be so attached as to form a neat smooth finish as shown in details.

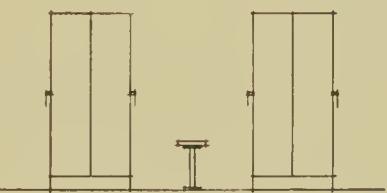
NOTE: Height of Recesses should be  $\frac{1}{2}$  inch greater than the overall height of lockers without legs, as shown on page 11.

Depth of Recesses should be  $\frac{1}{2}$  inch greater than the nominal depth.

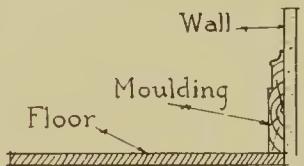
Length of Recesses should be 2 inches greater than the overall width of the number of lockers required, as shown on page 11.



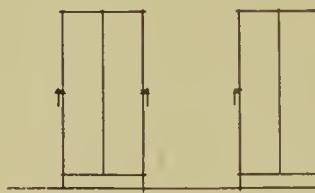
## Laying Out a Locker Floor Plan



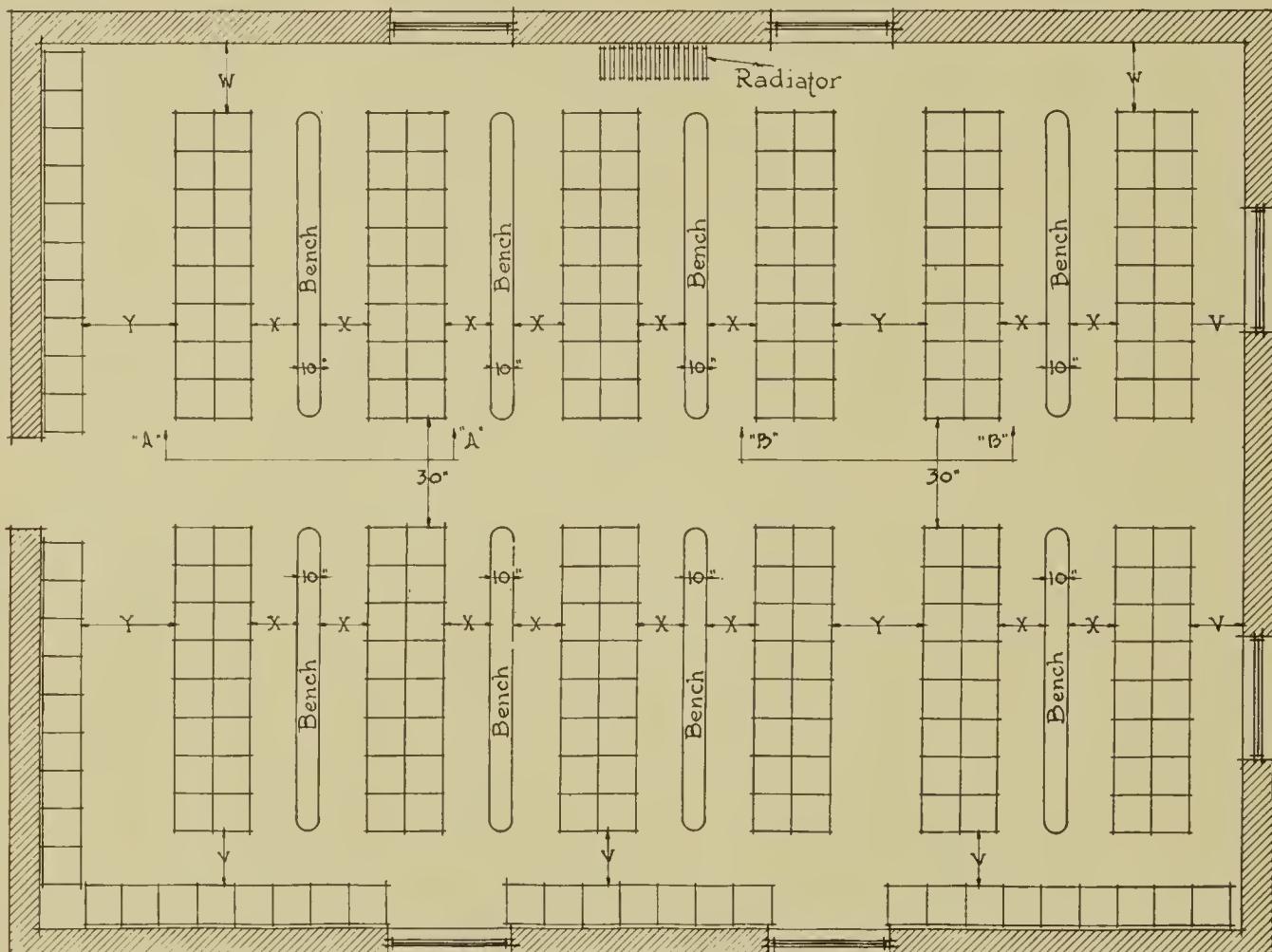
Elevation at "AA" showing Lockers and Locker bench



When Lockers are placed against wall it is best to omit moulding - so as to save room and also add to the appearance of installation.



Elevation at "BB" showing lockers without benches



Typical Floor Plan of 15" x 15" x 60" Locker Installation  
Scale -  $\frac{1}{8}$ " = 1'-0"

Explanation of Keyed Dimensions  
V = width of locker + 6"  
W = should be at least 20"  
X = width of locker + 3"  
Y = 2x width of locker + 6"

**Locker Benches**  
Locker benches are standard-Birch top- $1\frac{1}{4}$ " thick x  $9\frac{1}{4}$ " wide - sanded and shellacced overall height- $16\frac{3}{4}$ " supported on cast iron standards-not more than 6'-0" centers

### Lyon Locker Bench



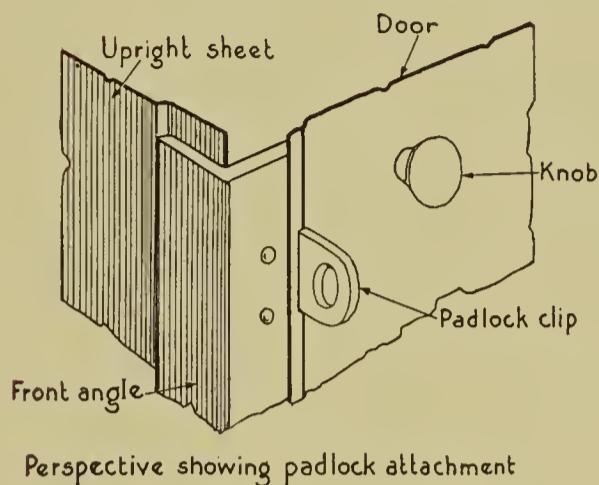
4 ft. to 7 ft.—2 legs.  
8 ft. to 12 ft.—3 legs.

### Specification Clauses

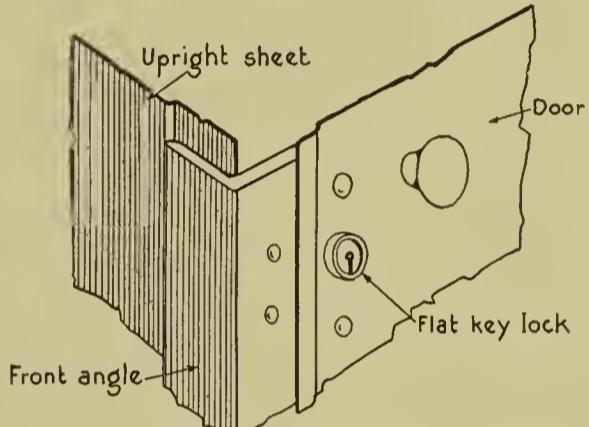
**LOCKERS** to be arranged in sections as shown in plans and numbered as shown on drawings. Front legs of all lockers to have vertical adjustment to compensate for necessary inequalities in floor surface.

When so called for on plans, lockers to be fastened to walls at top.

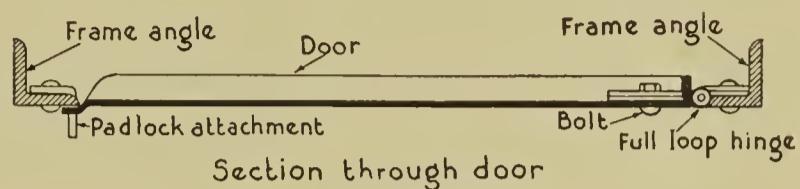
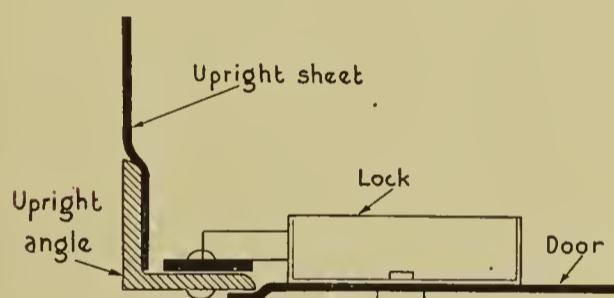
## Details of Lyon Box Locker Construction



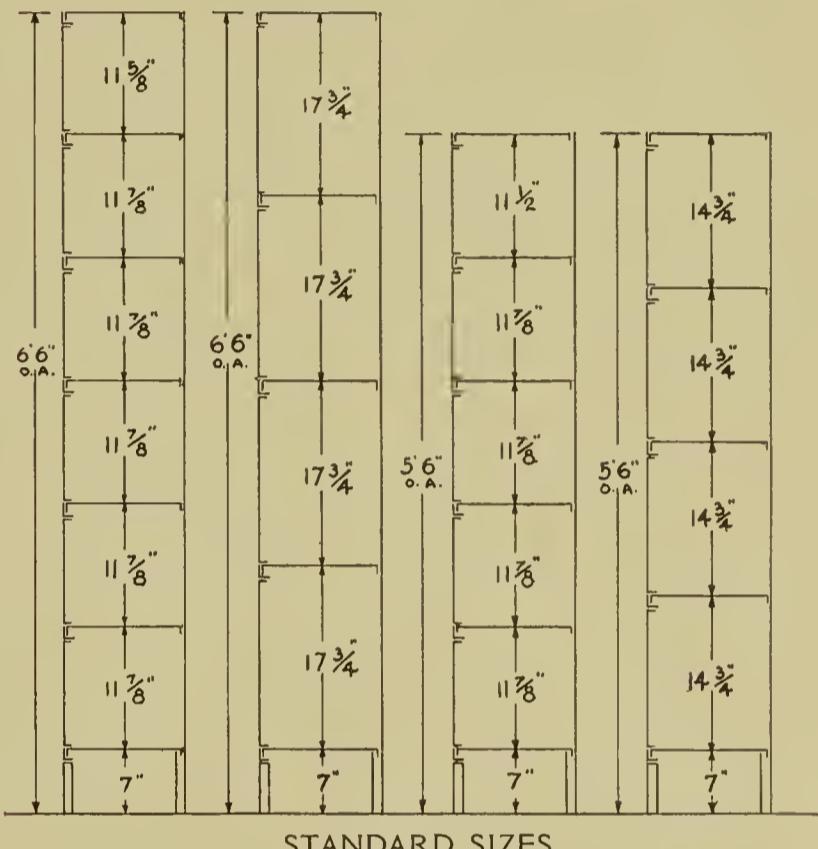
Perspective showing padlock attachment



Perspective showing flat key lock attachment



Section through door



## STANDARD SIZES

| Widths      | Depths      | Heights | Overall Heights |
|-------------|-------------|---------|-----------------|
| 12"-15"-18" | 12"-15"-18" | 12"     | 66"-78"         |
|             |             | 15"     | 66"             |
|             |             | 18"     | 78"             |

Lockers can be made without legs, but specifications should cover this point. If 6" legs are not required, deduct 6" from overall heights shown.

## Box Lockers

In general construction the box locker is essentially the same as Lyon Standard single and double tier lockers. Individual compartments in the heights shown on the detail drawing are 12", 15" and 18" wide and 12", 15" and 18" deep. Each separate compartment is equipped with individual number plate. Box lockers may be secured with either padlock attachment or flat key lock in any of the types shown on page 18.

## Specification Clauses

Box lockers to be the same general construction and finish as specified for other lockers. Doors to be made from not less than No. 16 U.S.S. gauge furniture steel.

Each door to be fitted with a substantial knob and flat key lock with bolt engaging with door jamb or frame (or with provision for locking by padlock).



Box Lockers

## Basket Type Locker Systems

BY PROVIDING a small basket for each individual just large enough for gymnasium suit and shoes so that a large locker is used only when the occupant is in the gymnasium, the basket system secures great economy in both floor space and first cost.

There are three methods of operation: self-service, class group, and attendant service.

In the self-service method, the baskets are equipped with padlocks. When the individual unlocks the basket and removes his gym clothes, he transfers the padlock to one of the large lockers which he uses while in the gymnasium.

With the class group method the baskets are kept in a rack fitted with casters, so that it can be used as a truck. This permits bringing out at one time all the baskets for a class, lockers for street clothes being assigned as the baskets are issued. Confusion is apt to arise with this system if individuals desire to use the gymnasium at irregular hours.

The most satisfactory system, where it can be afforded, is attendant service. Here the baskets are kept in the racks under the supervision of an attendant who issues with the basket a key for the locker for street clothes.

### Specification Clauses—Basket Racks

Basket Racks to be built of steel shelving of acceptable design.

Uprights to be skeleton type made from not less than 1" x 1" x  $\frac{1}{8}$ " hard steel angle. Shelves to be rigidly attached to upright and braced in a manner that will eliminate lateral sway.

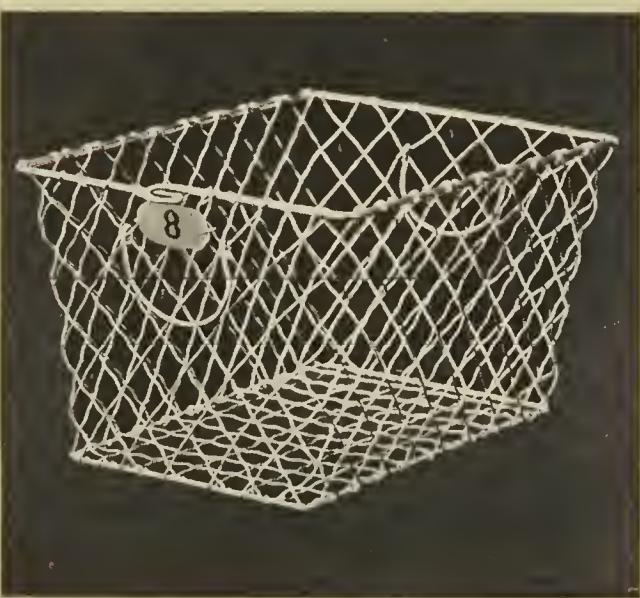
Shelves to be fitted with dividers to form a separate compartment for each basket, with a separate brass or aluminum number plate for each compartment, and padlock attachment.

When Basket Trucks are specified the general construction will be exactly as above specified for basket racks, with the addition of a heavy angle iron frame to which four swivel type casters are attached.

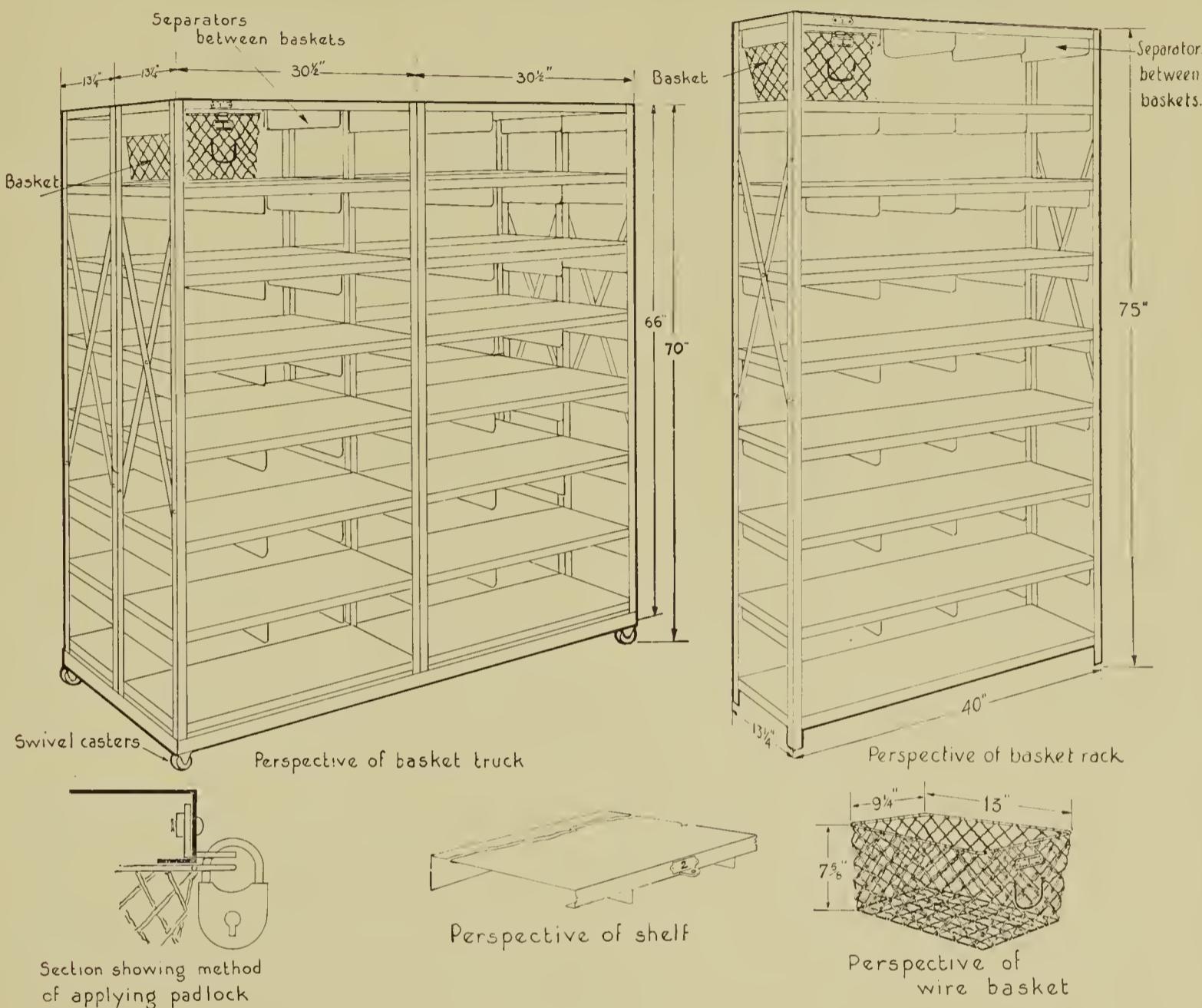
All steel used in Basket Racks or trucks to be one pass cold rolled, free from scale, buckles or deformities, and to be finished with best baked enamel, baked at a temperature of 200 degrees Fahrenheit or above. Enamel must stand rigid hammer test before flaking.

Baskets to be made from 16 ga. wire 1" diamond mesh with  $\frac{3}{16}$ " welded rod around top and provided with padlock attachment, handles and number plate. Basket to be  $9\frac{1}{4}$ " wide by 13" long by  $7\frac{5}{8}$ " high at top tapering slightly to permit of nesting.

Baskets to be finished by a heavy coating of tin after manufacture.



## Lyon Basket Rack Construction Details



## Lyon Basket Racks

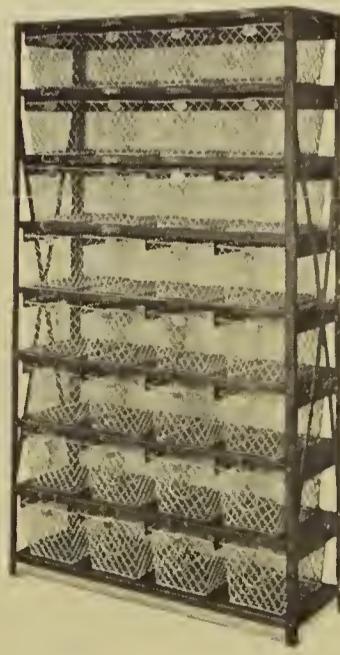
The Lyon Basket Racks are made of skeleton type shelving, which allows the free circulation of air through the shelves and baskets. This facilitates the airing and drying of clothes.

Each shelf extends down at the back 3" to form a back stop for the baskets. The front edge is formed down  $1\frac{1}{4}$ " and back  $\frac{1}{2}$ ". A padlock attachment and number plate is attached above each basket.

The shelves are flanged down at each end 1". Each shelf is attached to the upright by means of one bolt at each front corner and two bolts at each rear corner. This method of bolting eliminates all lateral movement in the rack.

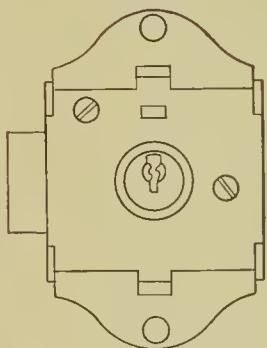
A separating divider is dropped down between each basket and at the extreme ends, so that the contents of the baskets cannot be disturbed by removing one basket from an opening and then reaching over the side of the adjacent basket.

The racks are built in sections as illustrated. They may be placed end to end or back to back to form any combination or arrangement desired.

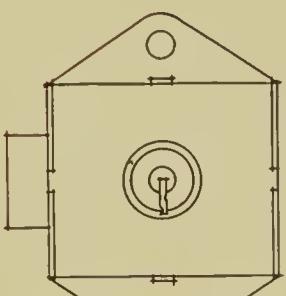


Basket Rack

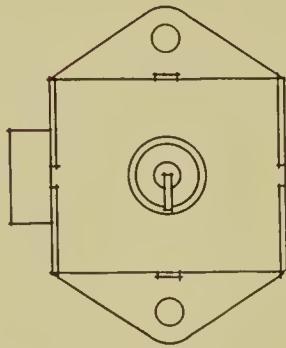
## Lyon Locker Hardware



Eagle Pin Tumbler  
Lock #3343

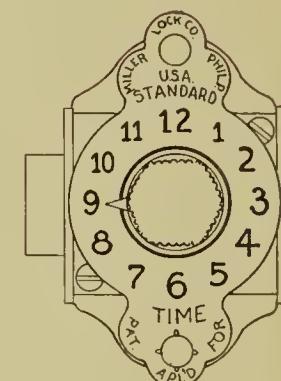


Eagle Lock #2220K  
Grooved key lock



Eagle Lock #2220

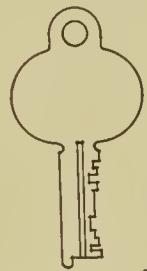
This lock can be furnished with  
square end spring bolt #2220-A  
or bevel end spring bolt #2220½



Miller Combination Lock  
#L 3350



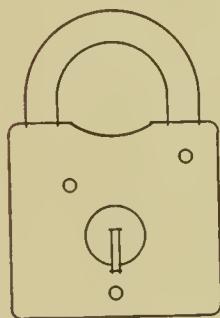
Eagle Lock Co. #5521  
Brass Key Check



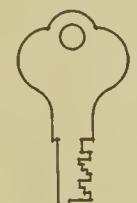
Key for Eagle #2220K  
Grooved Key Lock



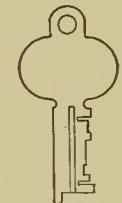
Key for Eagle  
#2220 Lock



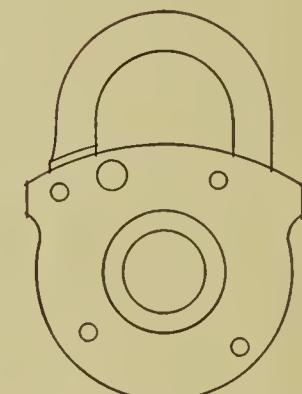
Eagle Padlock #4508



Key for Eagle  
Padlock #4508

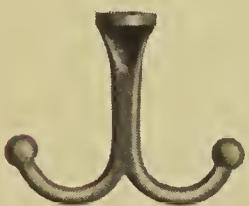


Key for Eagle Pin  
Tumbler Lock #3343



Miller Keyless Padlock #5

Ceiling  
Hook



Side Wall  
Hook



Combination  
Side Wall Hook  
and Coat Rod  
Holder



Coat Rod



Standard Locker Handle  
for either padlock or  
flat key lock

The Lyon Locker locking mechanism and handle are designed so that either key lock, combination lock, or padlock may be used. Any of the locks shown on this page, which will be found to cover the widest range of needs, may be used.

We particularly recommend the use of the Eagle flat key lock No. 2220 as a lock that is at once economical, trouble-proof and secure. The grooved key series 2220-K will offer additional security against picking, where it is required.

## To Obtain Satisfactory Suggestions for Your Locker Installation

Possibly the plan for your locker installation is not fully developed, and you are looking for suggestions based on how others have successfully met conditions and problems similar to yours. If such is the case, give us some data on the following points and we will promptly supply you with full information and suggestions on installations similar to the one you are contemplating. This service is cheerfully given without any obligation on your part. Our representative will call and secure the data if you wish.

1. Number of persons to accommodate.
2. Office and shop employees, or students. Number of each.
3. Men or women, number of each.
4. Sketch of locker room or architect's plans.
5. Any special problems or conditions to be considered.
6. Any preferences of style, size, fittings, locks, etc.
7. Would you prefer to interview a representative?

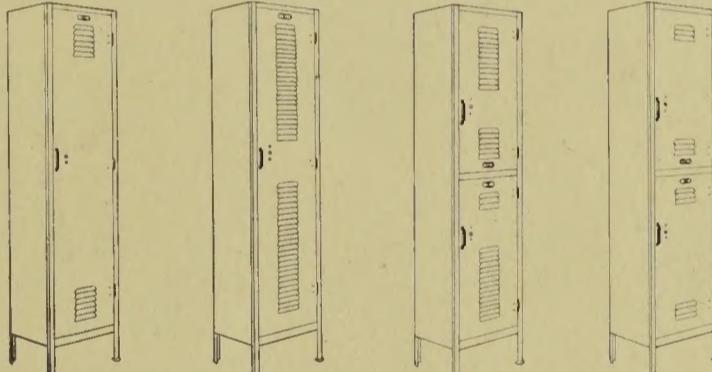
## Information Required for Exact Quotation

Lyon lockers as described in this bulletin are assembled from standardized parts; the number of parts varies with the arrangement, so that it is impossible to quote definite prices unless we have complete information. Complete information also enables our Engineering Department to frequently suggest more economical or convenient arrangements.

In general, greatest economy is secured by placing as many lockers as possible in each section or group, and by placing them back to back (double row) where possible.

### Information Required

- 1—TOTAL NUMBER OF LOCKERS.
- 2—TYPE OF LOCKER (single tier or double tier). See page 6 or 7 for type.
- 3—SIZE OF LOCKERS, width, depth and height. See page 11 for sizes.
- 4—SECTIONIZING—  
(B) Single row (wall type).  
How many sections (groups) are required?



Standard Door Ventilation Provided by Louvering as illustrated above

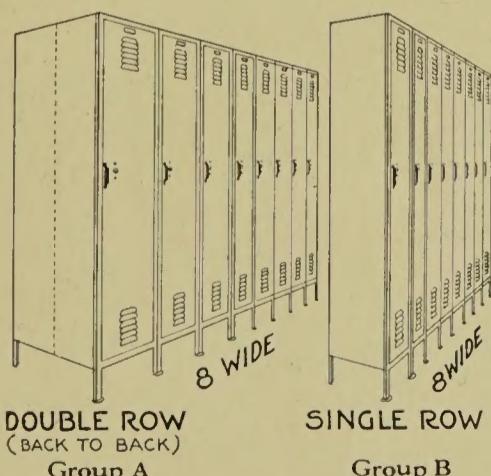
Top: Standard is flat top. Sloping top furnished at extra cost.

6—SHIPPING: All quotations are made on lockers shipped knocked down, unless specifically requested that they be shipped erected.

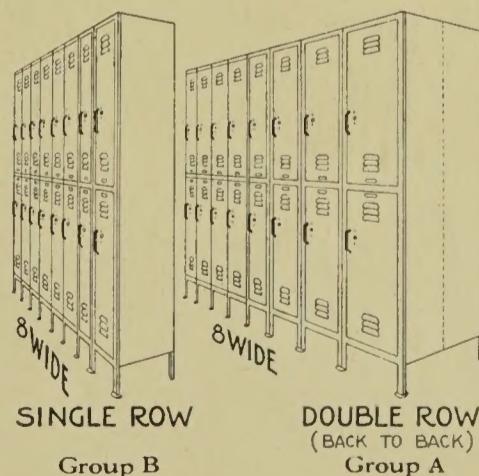
7—ERECTION: We can erect lockers or furnish Erection Superintendent. Prices on application.

## Examples of Correct Way to List Sectionizing of Lockers

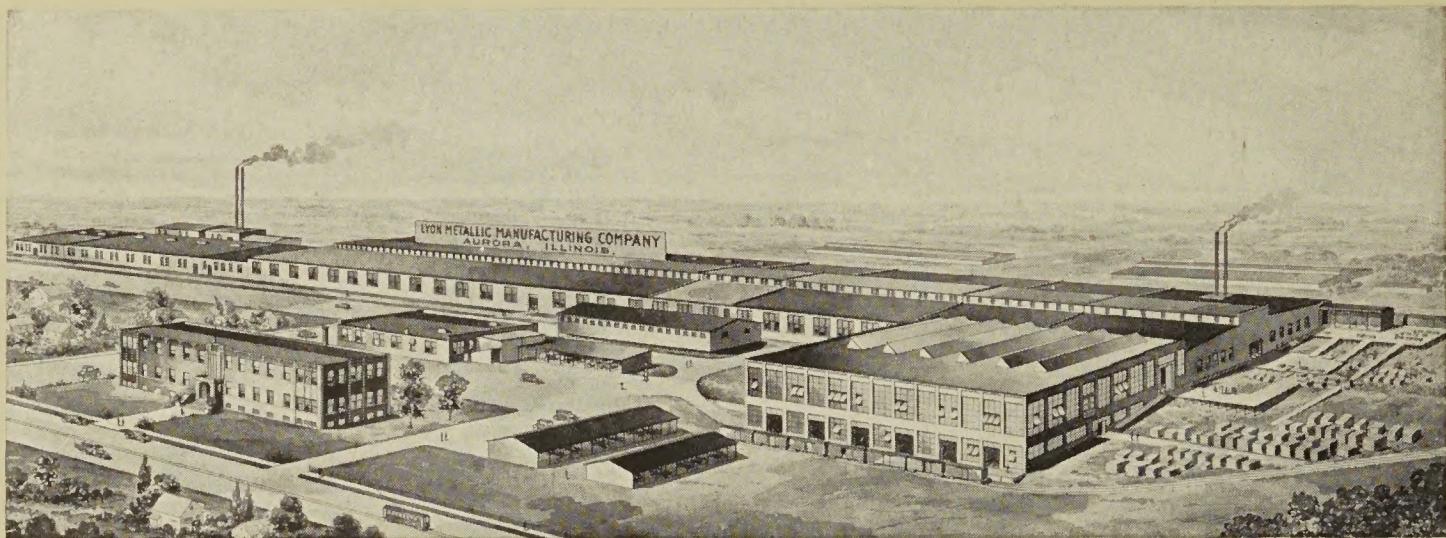
For purpose of example only we use 8 locker wide sections. Lockers can be arranged in any number of lockers wide desired.



Total number of lockers in both groups 24.  
Group A. One section double row of 16 single tier lockers, 8 lockers wide  
Group B. One section single row of 8 single tier lockers, 8 lockers wide



Total number of lockers in both groups 48.  
Group A. One section double row of 32 double tier lockers, 8 lockers wide  
Group B. One section single row of 16 double tier lockers, 8 lockers wide



Main Plant and General Offices

## Lyon Metallic Manufacturing Company Aurora, Illinois, U. S. A.

**T**WENTY-FIVE years' experience in building "lockers that last" for thousands of schools, clubs, public institutions and industrial firms has made the Lyon Metallic Manufacturing Company the world's largest manufacturer of steel lockers.

In addition to lockers, a complete line of steel storage equipment is manufactured at the Aurora factory illustrated above. The position of Lyon Steel Lockers in the institutional and educational fields is similar to that of Lyon Steel Shelving, Lymetco Steel Cabinets and other Lyon Products in the industrial field.

The success and consistent growth of this company is the result of a constant aim to build only the best equipment that it is possible to make.

Plants located on both coasts, district offices and direct factory representatives in more than sixty large cities enable us to give prompt and efficient service on storage problems of every nature.





